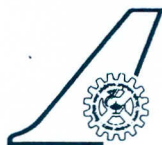


## Documentation Sheet



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**Abstract**

*In this report, the wave propagation through the metamaterials is described. The electromagnetic properties of metamaterial are presented and explained in detail. The reversal of basic laws of physics such as Snell's law, Doppler's effect, Cerenkov radiation etc. is reported.*